



# SEQUENCE LISTING

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<120> An automatic method of classifying molecules

<130> P-1476-US

<140> 09/601,278

<141> 1999-01-29

<150> 60/072,977

<151> 1999-01-29

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 122

<212> PRT

<213> Saccharomyces cerevisiae

<400> 1

Lys Asp Lys Ile Val Leu Asp Val Gly Cys Gly Thr Gly Ile Leu Ser  
1 5 10 15

Met Phe Ala Ala Lys His Gly Ala Lys His Val Ile Gly Val Asp Met  
20 25 30

Ser Ser Ile Ile Glu Met Ala Lys Glu Leu Val Glu Leu Asn Gly Phe  
35 40 45

Ser Asp Lys Ile Thr Leu Leu Arg Gly Lys Leu Glu Asp Val His Leu  
50 55 60

Pro Phe Pro Lys Val Asp Ile Ile Ile Ser Glu Trp Met Gly Tyr Phe  
65 70 75 80

Leu Leu Tyr Glu Ser Met Met Asp Thr Val Leu Tyr Ala Arg Asp His  
85 90 95

Tyr Leu Val Glu Gly Gly Leu Ile Phe Pro Asp Lys Cys Ser Ile His  
100 105 110

Leu Ala Gly Leu Glu Asp Ser Gln Tyr Lys  
115 120

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<212> PRT  
<213> haemophilus sp

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Gln Leu Tyr Leu Glu Arg Gly Ala Ala Lys Val Ile Gly Thr Asp Leu  
20 25 30

Ser Glu Lys Met Leu Glu Gln Ala Glu Lys Asp Leu Gln Lys Cys Gly  
35 40 45

Gln Phe Ser Gly Arg Phe Ser Leu Tyr His Leu Pro Ile Glu Lys Leu  
50 55 60

Ala Glu Leu Pro Glu Ser His Phe Asp Val Ile Thr Ser Ser Phe Ala  
65 70 75 80

Phe His Tyr Ile Glu Asn Phe Pro Thr Leu Leu Ser Thr Ile His Asp  
85 90 95

Lys Leu Ser Ser Asn Gly Thr Leu Ile Phe Ser Gln Glu His Pro Ile  
100 105 110

Thr Thr Cys His Lys Glu Gly Glu Arg Trp Glu  
115 120

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<212> PRT  
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Pro Thr Tyr Asp Glu Gln Leu Ser Ile Val Arg Leu Thr Val Leu Gly  
20 25 30

Ala Leu Gly Ile Asp Trp Pro Pro Asp Lys Val Asn Val Tyr Ile Leu  
35 40 45

Asp Asp Gly Val Arg Pro Glu Phe Glu Gln Phe Ala Lys Asp Cys Gly  
50 55 60

Ala Leu Tyr Ile Gly Arg Val Asp Ser Ser His Ala Lys Ala Gly Asn  
65 70 75 80

Leu Asn His Ala Ile Lys Arg Thr Ser Gly Asp Tyr Ile Leu Ile Leu  
85 90 95

Asp Gly Asp His Ile Pro Thr Arg Ala Phe Leu Gln Ile Ala Met Gly  
100 105 110

Trp Asn Val Ala Asp Arg Lys Ile Ala Leu Met Gln Thr Pro His His  
115 120 125

Phe Tyr Ser Pro Asp Pro Phe Gln Arg Asn Leu Ala Val Gly Tyr Arg  
130 135 140

Thr Pro Pro Glu Phe Asn Leu Phe Tyr Gly Val Ile Gln Asp Gly Asn  
145 150 155 160

Asp Phe Trp Asp Ala Thr Phe Phe Cys Gly Ser Cys Ala Ile Leu Arg  
165 170 175

Arg Glu Ala Ile Glu Ser Ile Gly Gly Phe Ala Val Glu Thr Val Thr  
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Glu Asp Ala His Thr Ala Leu Arg Met Gln Arg Arg Gly Trp Ser Thr  
195 200 205

Ala Tyr  
210

<210> 4  
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<212> PRT  
<213> Rhodococcus sp.

<400> 4

Pro Arg Pro Met Ser Thr Pro Ser Ala Ala Asp Val Thr Val Val Ile  
1 5 10 15

Pro Val Lys Asp Asn Gln Ala Gly Val Glu Arg Leu Leu Pro Val Leu  
20 25 30

Asp Lys Leu Thr Val Ile Val Val Asp Asp Gly Ser Glu Val Pro Val  
35 40 45

Glu Pro Arg Arg Ala Cys Pro Gly Thr Gly Thr Ile Thr Val Val Arg  
50 55 60

His Glu Ser Ala Arg Gly Pro Ser Ala Ala Arg Asn Ser Gly Leu Arg  
65 70 75 80

Ser Ala Gln Thr Arg Phe Val Ala Phe Leu Asp Ser Asp Val Ile Pro  
85 90 95

Arg Ala Gly Trp Leu Glu Leu Met Leu Gly His Phe Ser Asp Pro Gly  
100 105 110

Val Ala Leu Val Ala Pro Arg Ile Val Ala Leu Asp Pro Tyr Gly Thr  
115 120 125

Ala Leu Ala Arg Tyr Glu Asn Met Arg Ser Ser Leu Asp Leu Gly Arg  
130 135 140

Lys Glu Ala Ala Val Lys Ser Gly Ser Pro Val Ala Tyr Val Pro Ser  
145 150 155 160

Ala Ala Val Ile Val Arg Arg Asp Val Ala Leu Glu Cys Asn Gly Phe  
165 170 175

Asp Glu Ser Leu Glu Val Ala Glu Asp Val Asp Phe Cys Trp Arg Leu  
180 185 190

Gln Ala Ala Gly Trp Arg Leu Arg Tyr  
195 200